

10/549619

USSN - 10/549,619

Amendments to the Specification:

*Please replace the paragraph beginning at line 10 of page 10 with the following amended paragraph:*

Codon or anti-codon or oligonucleotide or polynucleotide as used herein generally refers to linear or branched oligomers of natural or modified monomers or linkages, including deoxyribonucleosides, ribonucleosides, alpha-anomeric forms thereof, polyamide nucleic acids, and the like, capable of hybridising by way of a regular pattern of monomer-to-monomer interactions, such as Watson-Crick type of base pairing, Hoogsteen or reverse Hoogsteen types of base pairing, or the like. Usually monomers are linked by phosphodiester bonds or analogs thereof to form oligonucleotides ranging in size from a few monomeric units, e.g. 3-4, to several hundreds of monomeric units. Whenever an oligonucleotide is represented by a sequence of letters, such "ATGCCTG (SEQ ID NO:19)," it will be understood that the nucleotides are in 5'=>3' order from left to right and that "A" denotes deoxyadenosine, "C" denotes deoxycytidine, "G" denotes deoxyguanosine, and "T" denotes thymidine, unless otherwise noted. Analogs of phosphodiester linkages include phosphorothioate, phosphorodithioate, phosphoroselenoate, phosphorodiselenoate, phosphoroanilinothioate, phosphoranilidate, phosphoramidate, and the like.

*Please replace the paragraph beginning at line 6 of page 65 with the following amended paragraph:*

Fig. 3 shows an oligo-architecture alternating reading frame determinants are used for stepwise ligation of building blocks. The first sequence shown is SEQ ID NO:11, the anticodon-building block subtype 1 is SEQ ID NO:3, and the block subtype 2 is SEQ ID NO:4.

*Please replace the paragraph beginning at line 9 of page 65 with the following amended paragraph:*

Fig. 5 discloses a reaction scheme in which a solid support is used for carrying the building block (the sequences, from top to bottom, are SEQ ID NOs:12, 13, 14 and 15), and

*Please replace the paragraph beginning at line 11 of page 65 with the following amended paragraph:*

Fig. 6 shows a schematic representation of a set-up useful for the stepwise ligation of anticodon. The sequences, from top to bottom, are SEQ ID NOs:11, 3 and 4.

*Please replace the paragraph beginning at line 13 of page 65 with the following amended paragraph:*

Fig. 7 shows a synthesis scheme for the reactions used in example 3. The hairpin sequences are, from top to bottom, SEQ ID NOs:10, 18, and 18, while building block B is SEQ ID NO:16 and A is SEQ ID NO:17.